



## 14.10.1 Operational Control Record for Cryogenic System Maintenance

### BNL Environmental Management System Operational Controls Form

<b>Operational Control For Significant Environmental Aspects: RHIC-530-CSM</b>	<b>Completed By: J. Scott Date: December, 2005</b>
<b>1. Operation(s):</b> Cryogenic System Maintenance	
<b>2. Activity(ies):</b> <ul style="list-style-type: none"><li>• Cleaning of vacuum pumps, compressors, molecular sieves &amp; mist eliminators</li><li>• Maintenance of vacuum pumps, compressors, molecular sieves &amp; mist eliminators</li><li>• Storage of oil</li><li>• Disposal of Industrial Waste</li><li>• Disposal of hazardous waste</li></ul>	
<b>3. Operational Controls (technological, operational, procedural operating criteria):</b> <ul style="list-style-type: none"><li>• Shift watch recorded in shift log.</li><li>• Level monitors on tanks.</li><li>• Secondary containment provided by sealed skids in case of leak from 1005H compressors.</li><li>• Bulk oils stored in 1005H in 55 gallon drums are provided with secondary containment as a BMP even though the materials are non-hazardous.</li><li>• <a href="#">C-A OPM 8.20</a>, Procedure for Handling and Disposal of Hazardous Waste</li><li>• <a href="#">C-A OPM 2.28</a>, C-A Procedure for Work Planning and Control for Operations</li><li>• EMS Authorization and sample data for burning used oil at central steam plant.</li><li>• Tier 1 program &amp; self-assessment.</li><li>• Chemical Management System.</li></ul>	
<b>4. Maintenance Plan(s):</b> 1) N/A	
<b>5. Actions to be Taken if Controls Fail:</b> <ul style="list-style-type: none"><li>• Call spill response hotline – X2222 or 911</li><li>• See <a href="#">C-A OPM 3.0</a>, Local Emergency Plan for the C-A Department</li></ul>	

**6. Records:**

- Tier I Inspection records / Tracking Database
- Shift log book
- Operational Control Form
- Process Assessment Form / Corrective Action, P2 Measures, and Assessment, Prevention & Control Initiatives Tracking Database
- C-A Family ATS documentation on completion of Environmental Management Program, Section 10 Tasks
- ORPS report (for qualifying liquid spills only)
- Authorization memos for clearance of waste oil to be burned at CSF
- Satellite Area Inspection Records

**7. Responsibilities:** [(a) to ensure controls are in place; (b) to ensure controls keep working; (c) to take action when controls fail; (d) to create and keep records relative to operational controls]

Name	Responsibility
Cryogenic Systems Group Shift Supervisor	Maintain shift logs, indicate release events.  Ensure tank levels are checked, verifying that no losses have occurred.  Call 911 in event of spill.  Provide secondary containment for bulk drums.  CMS updates.
Tier I Inspection Committee	Tier I Documentation

**8. Training:**

Name	Training	Date
Cryogenic Systems Technician Supervisor	Haz Waste Generator	N/A
Building Staff	See the <a href="#">EMS Training package</a> for this operation	N/A